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Application Number								
Filing Date		0						
First Named Inventor	Charles D. Murphy	۳.						
Group Art Unit	28/9	.@						
Examiner Name	Jeanglande	S						
Attorney Docket Number		26						

i				U.S. PATENT DOCU	MENTS	<u>ਜ</u>	
Examiner Initials	Cite No.1	l Number	ocument Kind Code ² (<i>if known</i>)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Cotumns, Lines, Where Relevant Passages or Relevant Figures Appear	
1737		6346901		M. Aivra Y. Nakatani, et.ul.	02-12-2002		
.A		6297759		L.L. Lewyn	10-02-2001		
		6172634		RHLeonavich, O. Shogei, et al.	01-09-2001		
		6169509		K. Abe	01-02-2001		
		6157334		M. Kimura	12-05-2000		
		6052074		J. Tida	04-18-2000		
		5808576		I Chlospek HTHYung et al	09-15-1998		
		5764173		D.W. Flynn	06-09-1998		
		5748128		M.Brucoleri et al	05-05-1998		
oxdot		5703586		MT Tuchalski	12-30-1997		
lacksquare		5703582		S. Koyama etal.	12-30-1997		
		5663728		KA. Essenwanger	09-02-1997		
\Box		5600321		J. M. Winch	02-04-1997		
Ш		5594438		S. Punaoussis +	01-14-1997		
		5539405		JP Noisworthy	07-23-1996	<u> </u>	
$\Box \Box$		5515047		K. Yamakido et al.	05-07-1996		
		5508702		JR Estruda + RAMentzer	04-16-1996		
		5446457		MH Ryat	08-29-1995		
4		5307065		N. Tokuhiro	04-26-1994		
08JY		5283579		A. Tasdighi et al.	02-01-1994		

				FORE	IGN PATENT DOCUMEN	TS		
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xaminer nitials*	Cite No.1	U.S. Patent I	Kind Code ²	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
11374		5 227 78	3	HL Shaw et al. SR Powell + AG Mellissinos	07-13-1993	
\rightarrow		516280		SR Powell + AG Mellissinos	11-10-1992	
\perp		5148164		Y Nakamura + Thumamoto	09-15-1992	
4		5091728		CC Chang	02-25-1992	
4_		5057831	8	K.Tsuji T. Irda + T. Satoh	10-15-1991	
\perp		4982192		F. Murooka	01-01-1991	
4		4872011		MDU Pelarant Act Duinnaijer	10-03-1489	
1306		4484-178		JL Lovgren et al.	11-20-1984	
		_				
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_		PAUL HOROWITZ and WINFIELD HILL, The Art of Electronics, second	
路之		edition 1994, Cambridge University Press, New York. pp. 614-620 and pp. 621-641	
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